IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Cylinder, D. MAIL STOP: Patent Application

Serial No.: not yet assigned Art Unit: not yet assigned

Filed: on even date herewith Examiner: not yet assigned

For: **DUAL WING-PAIR AIR VEHICLE**

First Information Disclosure Statement

MAIL STOP: Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §1.97(a)(4), the following documents are presented for the Examiner's consideration:

KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., PLATZER, M., RAMAMURTI, R., and SANDBERG, W.C., "Nonconventional Aerodynamics for Micro-UAVs", Proc. 16th International UAV Systems Conference, Bristol, UK, April 2001.

KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., CYLINDER, D., RAMAMURTI, R., SANDBERG, W.C., GARDNER, J., SRULL, D., PIPER, G., VAIANA, P., AND KAHN, A., Development and Testing of Unconventional Micro Air Vehicle Configurations, Proc. of Unmanned/Unlimited Conference, AIAA, September 2003.

GRASMEYER, Joel M., and KEENON, Matthew, "Development of the Black Widow Micro Air Vehicle", AIAA Paper 2001-0127 (AIAA Accession number 16057) Aerospace Sciences Meeting and Exhibit, 39th, Reno, NV, Jan. 8-11, 2001.

Kellogg, J., Bovais, C., Dahlburg, J., Foch, R., Gardner, J., Gordon, D., Hartley, R., Kamgar-Parsi, B., McFarlane, H., Pipitone, F., Ramamurti, R., Sciambi, A., Spears, W., Srull, D., and Sullivan, C., "The NRL Mite Air Vehicle", Proceedings of the Bristol RPV/AUV Systems Conference (2001)

Kellogg, J., Bovais, C., Cylinder, D., Dahlburg, J., Foch, R., Ramamurti, R., Sandburg, W.C., Gardner, J., Srull, D., Piper, G., Vaiana, P., and Kahn, A., "Development and Testing of Unconventional Micro Air Vehicle Configurations", Proc. of Unmanned/Unlimited Conference, AIAA, (September 2003).

LIAN, Y., SHYY, W. and IFJU. P.J., "Membrane Wing Model for Micro Air Vehicles", AIAA Journal, Vol. 41, No. 112, December 2003.

Att rn y D cket 95,938 Application Serial N . (not yet assigned)

MUELLER, T. J. and DeLaurier, J. D., "Aerodynamics of Small Vehicles", Annu. Rev. Fluid. Mech. 200335:89-111 (Jan. 2003).

U.S. Patent No. 6,626,398, Cox et al.

U.S. Patent No. 6,082,671, Michelson

These documents are listed on the accompanying Form PTO-1449 or SB-08 for the Examiner's convenience.

In accordance with 37 C.F.R. § 1.98, a copy of each published patent application and each non-patent document is enclosed. Copies of the issued U.S. patents are not enclosed.

This submission is not be construed as indicating that a search has been made or that the above-listed documents are material to examination of the above-captioned application.

This document is submitted within three months of the filing date of the application or before the mailing of a first Office Action on the merits, and therefore, no fee is due under 37 C.F.R. § 1.97(b).

The Commissioner is authorized to charge any fee which may be due, or credit any overpayments, to Deposit Account No. 50-0281.

Respectfully submitted,

John J. Karasek

Rég. No. 36,182

Date: February 4, 2004

Prepared by: Sally A. Ferrett

Reg. No. 46,325

Telephone: 202-404-1551

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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	Substitu	ute for form 1449A/PTO	-	•	Compl t if Known			
		2011471211			Application Number	Not yet assigned		
INFORMATION DISCLOSURE					Filing Date	February 4, 2004		
	STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Cylinder, David A.		
					Group Art Unit	Not yet assigned		
	(use as many sheets as necessary)			necessary)	Examiner Name	Not yet assigned		
<u>"</u>	Sheet 1 of 2		Attorney Docket Number	95,938				

				U.S. PATENT DOCU	MENTS	
Examiner Initials	Cite No.1	U.S. Patent I	Ocument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,626,398		Cox et al	09/30/2003	
		6,082,671		Michelson	07/04/2000	
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				FORE	GN PATENT DOCUMENTS	5		
Examiner Initials	011	F	oreign Patent Do	cument	Name of Patentee or	Date of Publication of	Pages, Columns, Lines,	T
	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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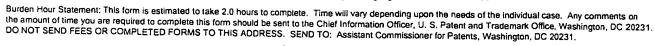
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Substi	tute for form 1449B/F	то		Compl te if Known			
IAIC			1001 001155	Application Number	Not yet assigned		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date			
				First Named Inventor	Cylinder		
				Group Art Unit	Not yet assigned		
(use as many sheets as necessary)				Examiner Name	Not yet assigned		
Sheet 2 of 2		Attorney Docket Number	NC 95.938				

	_	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
		KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., PLATZER, M., RAMMAMURTI, R., AND SANDBERG, W.C., "Nonconventional Aerodynamics for Micro-UAVs", Proc. 16th International UAV Systems Conference, Bristol, UK, April 2001.	
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		Kellogg, J., Bovais, C., Cylinder, D., Dahlburg, J., Foch, R., Ramamurti, R., Sandburg, W.C., Gardner, J., Srull, D., Piper, G., Vaiana, P., and Kahn, A., "Development and Testing of Unconventional Micro Air Vehicle Configurations", Proc. of Unmanned/Unlimited Conference, AIAA, (September 2003).	
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		MUELLER, T. J. and DeLaurier, J. D., "Aerodynamics of Small Vehicles", Annu. Rev. Fluid. Mech. 200335:89-111 (Jan. 2003).	

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